

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, DC 20554

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JUN 26 1991

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

In the Matter of)
)
Amendment of Section 73.202(b)) RM-
Table of Allotments,)
FM Broadcast Stations.)
(Radcliff, Kentucky;)
Cave City, Kentucky; and)
Santa Claus, Indiana))

ORIGINAL
FILE

To: Mass Media Bureau (Policy & Rules)

PETITION FOR RULEMAKING

W & B Broadcasting, Inc. (W & B), by its attorney, respectfully petitions for rule making to amend Section 73.202(b) of the rules so as to change the allotment of FM Channel 278A to 278C3 at Radcliff, Kentucky, and for an order to show cause to petitioner for modification of its facilities so as to be authorized to operate on Channel 278C3. Since the proposal for Radcliff is short-spaced to Channel 279C3 at Cave City, Kentucky, and Channel 277A at Santa Claus, Indiana, W & B requests a change in the reference points at each city as set forth in the technical report attached hereto. In support of the foregoing, the following is shown.

W & B is the permittee of a new FM station on Channel 278A at Radcliff, Kentucky (File No. BPH-871110MU). In the instant petition, an upgrade is requested to a C3 classification on that channel. The proposed allotment for Radcliff would result in an increase of service

to 78,737 persons in an area of 3,020 square kilometers. Such an upgrade would provide Radcliff with its first wide area FM facility.

In order to accomplish the increase of service at Radcliff as described herein, slight changes in the reference points for Channel 279C3 at Cave City, Kentucky, and 277A at Santa Claus, Indiana, are required. The reference point requested for the Cave City allotment is N 36-57-30 W 86-00-08 (20.35 km south -- 191 degrees from Cave City); and the reference point for the Santa Claus, Indiana, allotment should be changed to N 38-12-45 W 87-00-45 (13.57 km northwest at 319 deg). In each case, the proposed changes will meet all spacing requirements at the requested reference points. The required signal intensity of city-grade service will be provided to each community from the proposed reference points.

In view of the foregoing, it is respectfully requested that a notice of proposed rule making be issued so as to specify Channel 278C3 at Radcliff, Kentucky, and an order to show cause be issued so as to authorize petitioner's station to operate with such a facility. Further, that the reference points at Cave City, Kentucky and Santa Claus, Indiana be changed as set forth above. Since Channel 279C3 is presently authorized for operation at Cave City, Kentucky, to Station WHHT, an order to show cause to that station should be issued.

Upon finalization of the proposed rule making herein, W & B will promptly file an application for such facility for Channel 279C3 and construct the station promptly upon the grant thereof.

Accordingly, Section 73.202(b) of the rules should be amended as requested.

Respectfully submitted,

W & B BROADCASTING, INC.

By 

Jerrold Miller
Its Attorney

June 26, 1991

Miller & Fields, P.C.
P.O. Box 33003
Washington, DC 20033

TECHNICAL REPORT

This technical report has been prepared on behalf of W and B Broadcasting, Inc., permittee of a new FM station on channel 278A at Radcliff, KY, in support of a petition for rulemaking requesting an upgrade from 278A to 278C3.

I. ALLOCATION STUDY

The upgrade of the Radcliff 278A facility is requested at reference point:

N 37-50-30 W 86-06-45 (14.9 km west 267.9 deg).

An allocation study is submitted as Exhibit E-1 which demonstrates that the 278C3 facility meets all required clearances at the reference point with the exception of a recently granted upgrade of WHHT at Cave City, KY to 279C3 and the pending application on 277A at Santa Claus, Indiana. Site specifications are hereby requested for both facilities which will permit the requested upgrade. Both the Cave City 279C3 and the Santa Claus 277A allocations already have site restrictions. By specifying slightly greater restrictions for both allocations, the Commission can effect the Radcliff (1980 population -- 14,519) upgrade bringing that community its first wide area FM service and substantially increasing the area and population served by the Radcliff channel 278 allocation.

Exhibit E-2 demonstrates that the 278C3 upgrade located at the proposed reference point will provide the required 70

dBu service to the entire city of Radcliff assuming a maximum 25kw/ 100 meters HAAT facility.

It is also noted that the Radcliff upgrade would be precluded by the grant of an application by WGRR at Hamilton, Ohio (BPH-891204ID) to change site. The WGRR application has been denied by the Commission.

II. SITE SPECIFICATION FOR WHHT CAVE CITY REQUESTED

A slight increase in the site restriction for WHHT on 279C3 at Cave City, KY is proposed. A site 4.68 km southeast of the allocation is requested at reference point:

N 36-57-30 W 86-00-08 (20.35 km south -- 191 degrees from Cave City).

Exhibit E-3 demonstrates that the 279C3 allocation meets all required clearances at the site. Exhibit E-4 demonstrates that a full facility C3 will provide the required 70 dBu service to Cave City from the proposed site.

III. SITE SPECIFICATION FOR SANTA CLAUS, IN ALLOCATION

The only other action required to effect the Radcliff upgrade is a slight increase in the site restriction for channel 277A at Santa Claus, Indiana for which there is a pending application. A 2.31 km increase northwest of the pending application site will clear the way for the Radcliff upgrade. Therefore, it is requested that the Santa Claus 277A allocation site be specified at reference point:

N 38-12-45 W 87-00-45 (13.57 km northwest at 319 deg).

Exhibit E-5 demonstrates that the 277A allocation will meet all required clearances at the requested reference point. Furthermore, Exhibit E-6 demonstrates that 70 dBu service will be provided to the entire Santa Claus community from the reference point assuming a full facility 6 kw/ 100 meters HAAT class A station.

IV. AREA AND POPULATION GAINS

An analysis of the area and population which would be served by the 278C3 upgrade has been conducted utilizing the Dataworld "Popcount" program and assuming maximum C3 facilities of 25 kw ERP and 100 meters HAAT. A total population of 181,069 was determined within the proposed C3 60 dBu (1980 U.S. Census Corrected) and a service area of 4,803 square kilometers. The proposed upgrade will serve an additional 78,737 persons (+77%) and an additional 3,020 sq km in area (+169%) when compared to the authorized facility (see application for existing area and population).

III. CONCLUSION

It is concluded that the upgrade of the authorized facility on 277A at Radcliff, KY to 278C3 can be accomplished with slight increases in site specifications for allocations at Cave City, KY and Santa Claus IN. No disruption to existing service will occur because the Santa Claus allocations is presently unused with one pending

application, and at last check there was no pending application for the 279C3 allocation at Cave City.

The upgrade will provide Radcliff with its first wide service area FM facility. It will also effect an increase in population of 78,737 (+77%) and an increase in area of 3,020 sq km (+169%).

Clearly the requested upgrade is mutually exclusive with the existing authorized facility spaced at a distance of 14.72 km as compared to the required 142 km for cochannel class A to C3 facilities. Further, the spacing cannot be significantly increased without loss of city-grade coverage to Radcliff. Therefore, the 278C3 upgrade meets the Commission's requirements for cochannel and adjacent channel upgrades.

SUMMARY OF ALLOCATION PROPOSALS

City	Present	Proposed	Coordinates
Radcliff, KY	278A	278C3	N 37-50-30 W 86-06-45 (14.9 km @ 267.9 Deg)
Cave City, KY	279C3	279C3	N 36-57-30 W 86-00-08 (20.35 km @ 191 Deg)
Santa Claus, IN	277A	277A	N 38-12-45 W 87-00-45 (13.57 km @ 319 Deg)

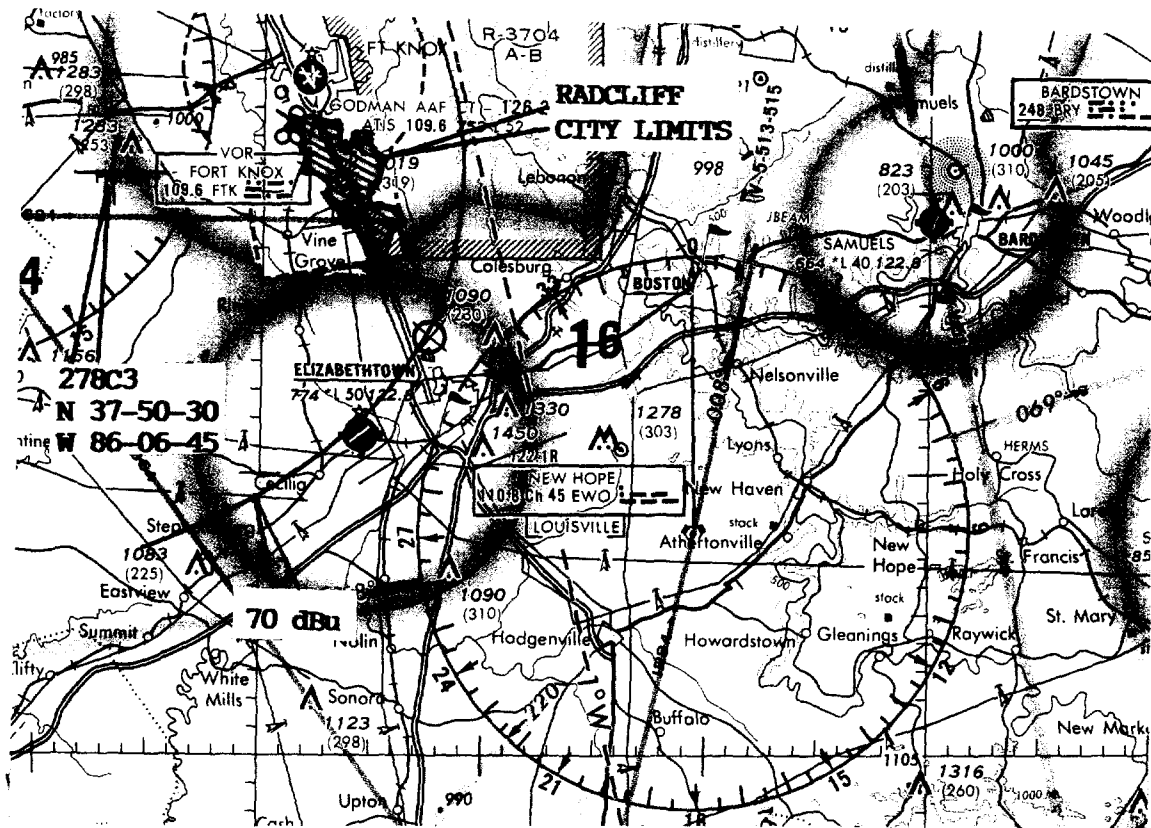
CHARLES ANDERSON - BROADCAST CONSULTANT
1519 EUCLID AVE. BOWLING GREEN KY 42101

RADCLIFFE, KY UPGRADE

REFERENCE		CLASS C3	DISPLAY DATES
37 50 30 N			DATA 03-27-91
86 06 45 W	Current rules spacings		SEARCH 06-20-91
----- CHANNEL 278 -103.5 MHz -----			

CALL	CH#	CITY	STATE	BEAR'	D-KM	R-KM	MARGIN	
CP278	278A	Radcliff	KY	85.4	14.72	142.0	-127.28	*
WGRR.A	278B	Hamilton	OH	42.6	204.85	211.0	-6.15	*
ALOPEN	277A	Santa Claus	IN	295.0	84.03	89.0	-4.97	*
ALOPEN	279C3	Cave City	KY	175.6	94.34	99.0	-4.66	*
AP277	277A	Santa Claus	IN	297.2	86.84	89.0	-2.16	*
WGRR	278B	Hamilton	OH	41.0	210.61	211.0	-0.39	*
AD275	275C3	Cannelton	IN	271.2	42.92	43.0	-0.08	*
WFIU	279B	Bloomington	IN	347.0	148.18	145.0	3.18	
WKCMFM	275A	Cannelton	IN	279.9	54.42	42.0	12.42	
DE275	275A	Cannelton	IN	279.9	54.42	42.0	12.42	
WZKS.C	280A	Louisville	KY	34.1	55.50	42.0	13.50	
WZKS	280A	Louisville	KY	34.1	55.50	42.0	13.50	
WRKA	276A	St. Matthews	KY	37.6	59.64	42.0	17.64	
WKEDFM	279A	Frankfort	KY	68.2	113.32	89.0	24.32	
WKDF	277C	Nashville	TN	198.1	210.89	176.0	34.89	
WGRKFM	276A	Greensburg	KY	140.8	83.40	42.0	41.40	
AD281	281C3	Campbellsville	KY	119.0	84.55	43.0	41.55	
WCKQ	280A	Campbellsville	KY	130.9	85.96	42.0	43.96	
ALOPEN	281A	Campbellsville	KY	130.9	85.96	42.0	43.96	
WCKQ.C	280A	Campbellsville	KY	130.9	85.96	42.0	43.96	
WIMZFM	278C	Knoxville	TN	131.7	284.71	237.0	47.71	
AD281	281C3	Campbellsville	KY	129.0	91.19	43.0	48.19	

EXHIBIT E-2
RADCLIFFE 70 DBU SHOWING



KILOMETERS	10	20	30
NAUTICAL MILES	10	20	30
STATUTE MILES	10	20	30

ST LOUIS
SECTIONAL AERONAUTICAL CHART
SCALE 1:500,000

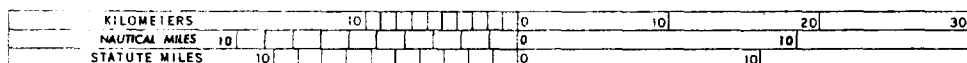
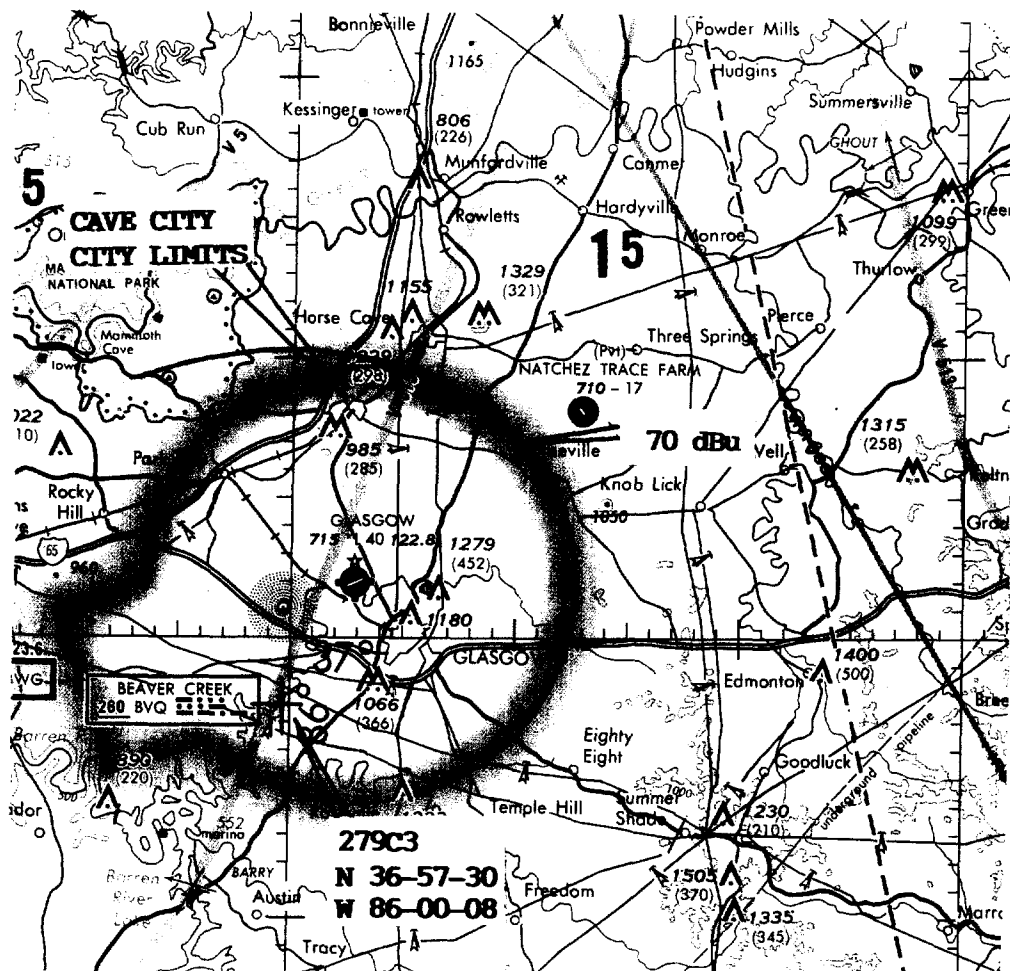
CHARLES ANDERSON - BROADCAST CONSULTANT
1519 EUCLID AVE. BOWLING GREEN KY 42101

WHHT CAVE CITY, KY
WITH PROPOSED SITE RESTRICTION

REFERENCE	CLASS C3	DISPLAY DATES
36 57 30 N	Current rules spacings	DATA 03-27-91
86 00 08 W	CHANNEL 279 -103.7 MHz	SEARCH 06-21-91

CALL	CH#	CITY	STATE	BEAR'	D-KM	R-KM	MARGIN	
ALOPEN	279C3	Cave City	KY	328.1	4.68	153.0	-148.32	*
WCKQ	280A	Campbellsville	KY	53.1	69.52	89.0	-19.48	*
WCKQ.C	280A	Campbellsville	KY	53.1	69.52	89.0	-19.48	*
WBLNFM	279C1	Murray	KY	257.7	212.86	211.0	1.86	<
ALOPEN	280A	Drakesboro	KY	284.4	92.66	89.0	3.66	
AD281	281A	Lafayette	TN	182.6	48.32	42.0	6.32	
CP278	278A	Radcliff	KY	2.9	99.33	89.0	10.33	
WGRKFM	276A	Greensburg	KY	52.3	54.64	42.0	12.64	
WDEBFM	280A	Jamestown	TN	121.7	111.27	89.0	22.27	
ALOPEN	281A	Campbellsville	KY	53.1	69.52	42.0	27.52	
WKEDFM	279A	Frankfort	KY	34.4	169.94	142.0	27.94	
AD281	281A	Carthage	TN	176.4	71.87	42.0	29.87	
AD281	281C3	Campbellsville	KY	56.5	73.73	43.0	30.73	
WKDF	277C	Nashville	TN	216.5	127.43	96.0	31.43	
WFIU	279B	Bloomington	IN	349.9	246.23	211.0	35.23	
AD281	281C3	Campbellsville	KY	48.5	86.23	43.0	43.23	
WIMZFM	278C	Knoxville	TN	114.1	223.46	176.0	47.46	

EXHIBIT E-4
CAVE CITY 70 DBU SHOWING



ST LOUIS
SECTIONAL AERONAUTICAL CHART
SCALE 1:500,000

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SANTA CLAUS, IN
SITE RESTRICTION

REFERENCE		CLASS A	DISPLAY DATES
38 12 45 N			DATA 03-27-91
87 00 45 W		Current rules spacings	SEARCH 06-21-91
----- CHANNEL 277 -103.3 MHz -----			

CALL	CH#	CITY	STATE	BEAR'	D-KM	R-KM	MARGIN	
AP277	277A	Santa Claus	IN	128.8	2.31	115.0	-112.69	*
ALOPEN	277A	Santa Claus	IN	153.2	6.36	115.0	-108.64	*
WGBFFM	276A	Henderson	KY	228.3	71.87	72.0	-0.13	*
WAKOFM	276A	Lawrenceville	IL	315.4	79.64	72.0	7.64	
WAKOFM	276A	Lawrenceville	IL	315.4	79.64	72.0	7.64	
WKCMFM	275A	Cannelton	IN	141.3	40.77	31.0	9.77	
DE275	275A	Cannelton	IN	141.3	40.77	31.0	9.77	
AD275	275C3	Cannelton	IN	138.0	54.13	42.0	12.13	
WKDF	277C	Nashville	TN	176.6	242.03	226.0	16.03	
WFXFFM	277B	Indianapolis	IN	20.6	199.58	178.0	21.58	
CP278	278A	Radcliff	KY	113.1	101.83	72.0	29.83	
WBKR	223C	Owensboro	KY	183.1	67.19	29.0	38.19	
WRKA	276A	St. Matthews	KY	87.0	115.24	72.0	43.24	
WFIU	279B	Bloomington	IN	23.6	112.59	69.0	43.59	

EXHIBIT E-6
SANTA CLAUS 70 DBU SHOWING



KILOMETERS	0	10	20	30
NAUTICAL MILES	0	10	20	30
STATUTE MILES	0	10	20	30

ST LOUIS
SECTIONAL AERONAUTICAL CHART
SCALE 1:500,000


CERTIFICATION

Charles M. Anderson hereby certifies that;

His qualifications in broadcast allocation matters are a matter of record before the Federal Communications Commission having been presented and accepted on many occasions in the past;

That he holds a lifetime General Radiotelephone license(#PG-6-7352) , a bachelors degree in the physical sciences from Western Kentucky University and advanced degrees in the communications field from the University of North Carolina and Indiana University;

That the accompanying technical report and exhibits were developed by him personally or under his immediate supervision and that all the information presented therein is true and correct to the best of his knowledge and belief.

/s/ 
Charles M. Anderson

June 21, 1991

Disclaimer: Charles M. Anderson assumes no liability for any errors or omissions in the information, exhibits and report provided herein; and, shall not be liable for any injuries or damages (including consequential) which might result from use of said information, exhibits and report.

Filing of this report with the Federal Communications Commission constitutes acceptance in full of the terms and conditions stated above.

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CERTIFICATE OF SERVICE

I hereby certify that on this 26 day of June, 1991
a copy of the foregoing document was placed in the United States mail,
first class postage prepaid, addressed to the following:

Newberry Communications
Station WHHT
Box 457
Glasgow, KY 42142

Hogan & Hartson
555 13th Street, NW
Washington, DC 20004
